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## 导师简介

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### 葛玲玲教授简介

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## 个人简介

**葛玲玲** 博士，教授，博士生导师

专业：胶体与界面化学

研究方向：各向异性乳液，高分子材料

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### 教育经历及工作经历

2000年6月获得扬州大学化学师范专业学士学位，2004年9月硕博连读胶体与界面化学专业研究生，2009年6月获理学博士学位。

2009年8月至2011年10月赴加拿大阿尔伯塔大学（University of Alberta）材料与工程学院从事博士后研究。2012年1月以海外引进人才入职扬州大学，独立开展研究工作。2013年8月晋升扬州大学副教授，2020年9月晋升扬州大学教授。

### 主讲课程

《物理化学》 普通全日制本科生 中文授课

《Physical Chemistry》 海外留学生 英文授课

### 研究领域

1 各向异性乳液的形成机理、各向异性结构的构筑规律、相转变特性研究。各向异性乳液在智能流体、微反应器、功能微纳米材料等领域的应用研究；

2 石油乳液中起稳定原油乳液的两亲活性组分在油水界面的行为及稳定机制；

3 表面活性剂与水溶性高分子的相互作用机理研究。香料乳液在挥发及相转变过程中相态的转变及物质的传递规律。

### 主持项目

1. 国家自然科学基金 面上基金（22072130）：“各向异性乳液的智能调控及微反应器的可控构筑”，2021.1-2024.12，在研

2. 国家自然科学基金 面上基金（21573191）：“新型Cerberus乳液的形成机理研究及微/纳各向异性结构的可控构筑”，2016.1-2019.12，结题

3. 国家自然科学基金 青年基金 (21203162): “新型Janus乳液的形成机理研究及可控微/纳双面结构的构筑”, 2013.1-2015.12, 结题
4. 江苏省高校自然科学研究 重大项目 (18KJA150010): “磁性三面乳液形成机理及模板法制备多功能各向异性粒子”, 2018.9-2021.8, 在研
5. 江苏省高校自然科学研究 面上项目 (13KJ13150040): “新型双面乳液的形成机理及双面结构的构筑”, 2013.1-2015.10, 结题
6. 扬州市科协软科学研究 特约课题: “以新型Janus乳液为模板制备多功能各向异性新材料”, 2018.5-2018.10, 结题

欢迎致力于从事科学研究工作的本科生, 研究生加入本课题组!

#### 近期主要研究成果:

Ge, L. L.\*; Cheng, J. R.; Sun, X. H.; Liu, J. L.; Wei, D.; Guo, R.\*, Controlled Group Motion of Anisotropic Janus Droplets Prepared by One-Step Vortex Mixing. *ACS Applied Materials & Interfaces* **2020**, 12, 14588-14598.

Wei, D.; Ge, L. L.\*; Wang, Z. F.; Wang, Y. Y.; Guo, R.\*, Self-Assembled Dual Helical Nanofibers of Amphiphilic Perylene Diimides with Oligopeptide Substitution. *Langmuir* **2019**, 35, 11745-11754.

Ge, L. L.\*; Tong, W.; Bian, Q.; Wei, D.; Guo, R. \*, Temperature and Composition Induced Morphology Transition of Cerberus Emulsion Droplets. *Journal of Colloid and Interface Science* **2019**, 554, 210-219.

Ge, L. L.\*; Jin, H.; Li, X.; Wei, D.; Guo, R. \*, Batch-Scale Preparation of Reverse Janus Emulsions. *Langmuir* **2019**, 35, 3490-3497.

Ding, C. G.; Ge, L. L.\*; Jin, H. M.; Bian, Q. F.; Guo, R. \*, Janus Emulsions Formed with Organic Solvents as Inner Phases. *Colloids and Surfaces A-Physicochemical and Engineering Aspects* **2019**, 583, 123947.

Chen, L. P.; Ge, L. L.; Fan, L.; Guo, R.\*, Microstructure and Tribological Properties of Lamellar Liquid Crystals Formed by Ionic Liquids as Cosurfactants. *Langmuir* **2019**, 35, 4037-4045.

Wei, D.; Ge, L. L.\*; Guo, R.\*, Effect of Hydrophilically Modified Ibuprofen on Thermoresponsive Gelation of Pluronic Copolymer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* **2018**, 553, 1-10.

Lu, Y.; Huang, J.; Ge, L. L.; Xie, W.; Wu, D.\*, Selective Localization of Cellulose Nanocrystals in the Biodegradable Poly(vinyl alcohol)/poly( $\epsilon$ -caprolactone) Blend Composites Prepared by Pickering Emulsions. *Polymer* **2018**, 156, 136-147.

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Ge, L. L.\*; Cheng, J.; Wei, D.; Sun, Y.; Guo, R.\*, Anisotropic Particles Templated by Cerberus Emulsions. *Langmuir* **2018**, 34, 7896-7395.

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